## What is claimed is:

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- 1 1. A method for manufacturing ear devices with at least one venting passage extending 2 essentially substantially over the length of said ear plug device between regions respectively 3 facing the ear drum and the outer ear environment comprising the steps of:
  - providing data including a three-dimensional shape of said venting passage;
  - construing parts for said ear devices by respectively depositing commonly a layer of one of a liquid and of a powderous material and solidifying by a laser arrangement in said layer individually shaped layers of said parts, thereby controlling said laser arrangement with said data to solidify in said layers respectively a contour of a cross-section of said venting passage.
- The method of claim 1, further comprising performing said depositing by depositing a layer of powder material in a predetermined plane, and depositing upon said solidified layers of said parts a further layer of said powder material and further solidifying said powder material, thereby forming a further contour of said cross-section respectively with a different shape or dimension.
- 1 3. The method of claim 1, further comprising solidifying said layers of said parts 2 mutually separated.
- The method of claim 1, further comprising performing said depositing by depositing a layer of liquid material in a predetermined plane and redepositing upon said solidified layers of said parts a further layer of liquid material.
- The method of claim 1, further comprising the step of performing said solidifying by means of more than one laser beam operated simultaneously to simultaneously solidify said layers of said parts.
- The method of claim 1, further comprising performing said solidifying by solidifying at least two of said layers by one laser beam.

- The method of claim 1, further comprising the step of providing by said solidifying at least two of said contours in at least one of said layers of said parts.
- 1 8. The method of claim 1, further comprising the step of providing by said solidifying
- 2 said contour of said venting passage, at least one of said layers being open to the unsolidified
- of said layers.
- 1 9. A method for manufacturing ear devices comprising the steps of:
- providing data of a three-dimensional shape of at least one venting passage for the
- 3 hearing devices;
- construing parts for said ear devices having said venting passage by providing a layer
- of a powderous or liquid material and solidifying at least two layers of said parts by common
- 6 laser arrangement subsequently operating for solidifying one of said layers of said parts and
- 7 then the other of said layers of said parts, thereby controlling said laser arrangement by said
- 8 data and solidifying a contour of said venting passage in said layers.
- 1 10. The method of claim 9, further comprising providing said layer of powder material in
- a predetermined plane, providing a further layer of said powder material upon said solidified
- layers and solidifying said further layer of said powder, thereby solidifying a further cross-
- 4 sectional contour of said venting passage with a different shape or dimension.
- 1 11. The method of claim 9, further comprising providing said layer of liquid material in a
- 2 predetermined plane, providing a further layer of liquid material upon said solidified layers of
- said parts and further solidifying said further layer of liquid material, thereby forming a
- 4 further cross-sectional contour of said venting passages with a different shape or dimension.
- 1 12. The method of claim 9, further comprising the step of performing said solidifying by
- 2 means of more than one laser beam operated simultaneously to simultaneously solidify layers
- of said parts.
- 1 13. The method of claim 9, further comprising performing said solidifying by solidifying
- 2 at least two of said layers by one laser beam.

- 1 14. The method of claim 9, further comprising the step of providing by said solidifying at
- least two of said contours in at least one of said layers of said parts.
- 1 15. The method of claim 9, further comprising the step of providing by said solidifying
- 2 said contour of said venting passage of at least one of said layers being open to the
- 3 unsolidified of said layers.

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- 1 16. A method for manufacturing ear devices comprising the steps of:
- providing data of the three-dimensional shape of at least one venting passage for the hearing devices;
  - depositing layers of fluidic material in a predetermined plane;
- solidifying said deposited layers of fluidic material, thereby solidifying in each of said layers a cross-sectional contour of the venting passage for said device and depositing a further layer of fluidic material upon said solidified layers, thereby controlling said deposition of layers of said fluidic material by said data.
- 1 17. The method of claim 16, further comprising depositing upon said solidified layers a
- 2 further layer of said fluidic material and further solidifying said fluidic material, thereby
- forming a further contour of said cross-section with a different shape or dimension.
- 1 18. The method of claim 16, further comprising the step of providing at least two of said
- 2 contours in at least one of said layers.
- 1 19. The method of claim 16, further comprising the step of providing said contour of said
- 2 venting passage at at least one of said layers being open.
- 1 20. A method for simultaneously manufacturing a plurality of parts of ear devices
- 2 comprising:
- providing data for each of said parts including data of venting passages;
- 4 -simultaneously construing said parts of said devices at a respective location, the step
- of construing said parts including providing at each respective location a layer of solidifiable
- 6 material and solidifying by a solidifying aspect that operates at each respective location a

- 7 portion of the material to provide a portion of the respective part utilizing the provided data
- and thereby solidifying a contour of a cross-section of said venting passages.
- 1 21. The method of claim 20, wherein the solidifiable material is a material that is
- 2 solidified by laser energy and a solidifying aspect includes a laser arrangement that provides
- laser energy at each location and at each location solidifying the portion of the material to
- 4 provide the portion of the respective part.
- 1 22. The method according to claim 21, wherein the laser arrangement is moved
- 2 sequentially to each location.
- 1 23. The method of claim 22, wherein the laser arrangement is moved repeatedly to each
- 2 location in the sequence until the part at the respective location is completely provided
- 3 including a venting passage.
- 1 24. The method of claim 20, wherein each part is provided by successive addition of
- 2 solidified portions respectively defining for a cross-sectional contour of said venting passage.
- 1 25. The method as set forth in claim 20, where in the solidifiable material is at least one
- of a liquid and of a powder.
- 1 26. The method as set forth in claim 20, wherein the solidified material of each location is
- 2 commonly provided among all of said locations.